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**Sohmshetty et al.**(10) **Pub. No.: US 2022/0067865 A1**(43) **Pub. Date: Mar. 3, 2022**(54) **SMART CONTAINERS AND SYSTEMS AND METHODS FOR SHIPPING AND TRACKING SMART CONTAINERS****H04L 9/30** (2006.01)**G07C 9/21** (2006.01)**B65D 55/02** (2006.01)(71) Applicant: **Ford Global Technologies, LLC,**  
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(2013.01); **H04L 9/30** (2013.01)(57) **ABSTRACT**

The disclosure provides systems and methods for tracking a smart container. The methods use sensors of the smart container to detect tampering with the smart container after the container leaves a sender and before the container arrives at a receiver. In particular, the sensors detect when the smart container has been opened by someone other than the receiver (i.e., tampered with) and write the detection of tampering (e.g., the sensor measurement) to a blockchain. Delivery agents use scanners to write their possession or agency over the smart container to the blockchain. Accordingly, the agency of the smart container can be determined if tampering occurs.

